PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6:
H04L 9/16

A2

(11) International Publication Number: WO 99/14888

(43) International Publication Date: 25 March 1999 (25.03.99)

(21) International Application Number: PCT/FI98/00721

(22) International Filing Date: 15 September 1998 (15.09.98)

(30) Priority Data:

973694

15 September 1997 (15.09.97) FI

(71) Applicant (for all designated States except US): NOKIA TELECOMMUNICATIONS OY [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI).

(72) Inventor; and

(75) Inventor/Applicant (for US only): RAIVISTO, Tommi [FI/FI]; Liusketie 16 I 54, FIN-00710 Helsinki (FI).

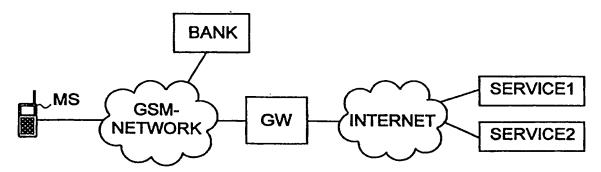
(74) Agent: PATENT AGENCY COMPATENT LTD.; P.O. Box 156, FIN-00511 Helsinki (FI).

(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

Without international search report and to be republished upon receipt of that report.

(54) Title: SECURITY METHOD FOR TRANSMISSIONS IN TELECOMMUNICATION NETWORKS



(57) Abstract

The invention related to method for providing connection security for the transmission between communicating parties in a telecommunication network, the method comprising the steps of: exchanging security parameters between communicating parties, providing connection security for messages based on these security parameters, and transmitting said messages between communicating parties. It is characteristic for the method according to the invention that it further comprises the steps of: reaching agreement between communicating parties on an interval for recalculation of the security parameters, monitoring of the interval for recalculation by the communicating parties, recalculating the security parameters at the agreed interval, and providing connection security for messages based on the latest recalculated security parameters.

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
AT	Austria	FR	France	LU	Luxembourg	SN	
ΑU	Australia	GA	Gabon	LV	Latvia	SZ	Senegal
AZ	Azerbaijan	GB	United Kingdom	MC	Monaco		Swaziland
BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TD	Chad
BB	Barbados	GH	Ghana	MG	-	TG	Togo
BE	Belgium	GN	Guinea	MK	Madagascar	TJ	Tajikistan
BF	Burkina Faso	GR	Greece	WIK	The former Yugoslav	TM	Turkmenistan
BG	Bulgaria	HU	Hungary	ML	Republic of Macedonia	TR	Turkey
BJ	Benin	IE	Ireland		Mali	TT	Trinidad and Tobago
BR	Brazil	iL	Israel	MN	Mongolia	UA	Ukraine
BY	Belarus	IS	Iceland ·	MR	Mauritania	UG	Uganda -
CA	Canada	IT	Italy	MW	Malawi	US	United States of America
CF	Central African Republic	JP		MX	Mexico	UZ	Uzbekistan
CG	Congo	-	Japan	NE	Niger	VN	Viet Nam
СН	Switzerland	KE	Kenya	NL	Netherlands	YU	Yugoslavia
CI	Côte d'Ivoire	KG	Kyrgyzstan	NO	Norway	ZW	Zimbabwe
CM		KP	Democratic People's	NZ	New Zealand		
	Cameroon		Republic of Korea	PL	Poland		
CN	China	KR	Republic of Korea	PT	Portugal		
CU	Cuba	KZ	Kazakstan	RO	Romania		
CZ	Czech Republic	LC	Saint Lucia	RU	Russian Federation		
DE	Germany	LI	Liechtenstein	SD	Sudan		
DK	Denmark	LK	Sri Lanka	SE	Sweden		-
EE	Estonia	LR	Liberia	SG	Singapore		• •